



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 110/708,952

Source: EFS - OLPE -

Date Processed by STIC: 4-5-04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>, EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Does Not Comply
Corrected Diskette Needed

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/708,952

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 ☐ Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 ☐ Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.
- 5 ☐ Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 ☐ Skipped Sequences
 (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 ☐ Skipped Sequences
 (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 ☒ Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
- 10 ☐ Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 ☐ Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 07/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n/Xaa "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid

CRFI



Does Not Comply
Corrected Diskette Needed

IFWO

RAW SEQUENCE LISTING

DATE: 04/05/2004

PATENT APPLICATION: US/10/708,952

TIME: 09:41:15

Input Set : N:\efs\10708952_efs\SEQ_LIST.txt

Output Set: N:\CRF4\04052004\J708952.raw

3 <110> APPLICANT: ROSETTA GENOMICS LTD
 5 <120> TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL
 6 AND VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
 8 <130> FILE REFERENCE: 55035
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/708,952
 C--> 10 <141> CURRENT FILING DATE: 2004-04-02
 10 <160> NUMBER OF SEQ ID NOS: 399737
 12 <170> SOFTWARE: PatentIn version 3.2

ERRORED SEQUENCES

1002677 <210> SEQ ID NO: 111408	
1002678 <211> LENGTH: 23	
1002679 <212> TYPE: RNA	
1002680 <213> ORGANISM: Human adenovirus E	
1002682 <400> SEQUENCE: 111408	
E--> 1002683 ucauau g g gcaguacac cug	
1002776 <210> SEQ ID NO: 111419	
1002777 <211> LENGTH: 19	
1002778 <212> TYPE: RNA	
1002779 <213> ORGANISM: Human adenovirus E	
1002781 <400> SEQUENCE: 111419	
E--> 1002782 uccagc uu ccaaccuu	Same 19
1005170 <210> SEQ ID NO: 111685	
1005171 <211> LENGTH: 17	
1005172 <212> TYPE: RNA	
1005173 <213> ORGANISM: Human adenovirus E	
1005175 <400> SEQUENCE: 111685	
E--> 1005176 aguug n aga ugccac	Same 17
1005800 <210> SEQ ID NO: 111755	
1005801 <211> LENGTH: 20	
1005802 <212> TYPE: RNA	
1005803 <213> ORGANISM: Human adenovirus E	
1005805 <400> SEQUENCE: 111755	
E--> 1005806 gccgagu gc nagauggcca	Same 20
1006106 <210> SEQ ID NO: 111789	
1006107 <211> LENGTH: 21	
1006108 <212> TYPE: RNA	
1006109 <213> ORGANISM: Human adenovirus E	
1006111 <400> SEQUENCE: 111789	
E--> 1006112 gcuccag cu uuccaaccuu u	Same 21
1006664 <210> SEQ ID NO: 111851	

A feature <220> - <223> is mandatory when 'n' is used as a nucleotide designator. Please see rule # 9 on error summary sheet.
 Please check entire Sequence Listing for the above error.

RAW SEQUENCE LISTING

DATE: 04/05/2004

PATENT APPLICATION: US/10/708,952

TIME: 09:41:50

Input Set : N:\efs\10708952_efs\SEQ_LIST.txt

Output Set: N:\CRF4\04052004\J708952.raw

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1006665 <211> LENGTH: 22
1006666 <212> TYPE: RNA
1006667 <213> ORGANISM: Human adenovirus E
1006669 <400> SEQUENCE: 111851
E--> 1006670 gauggugca gaguguaaca ug 22
1009283 <210> SEQ ID NO: 112142
1009284 <211> LENGTH: 14
1009285 <212> TYPE: RNA
1009286 <213> ORGANISM: Human adenovirus E
1009288 <400> SEQUENCE: 112142
E--> 1009289 ugca gagug uaac 14
1010750 <210> SEQ ID NO: 112305
1010751 <211> LENGTH: 18
1010752 <212> TYPE: RNA
1010753 <213> ORGANISM: Human adenovirus E
1010755 <400> SEQUENCE: 112305
E--> 1010756 gaguug gag auggccac 18
1012172 <210> SEQ ID NO: 112463
1012173 <211> LENGTH: 15
1012174 <212> TYPE: RNA
1012175 <213> ORGANISM: Human adenovirus E
1012177 <400> SEQUENCE: 112463
E--> 1012178 cgcaaaaca ccccc 15
1019966 <210> SEQ ID NO: 113329
1019967 <211> LENGTH: 19
1019968 <212> TYPE: RNA
1019969 <213> ORGANISM: Human adenovirus E
1019971 <400> SEQUENCE: 113329
E--> 1019972 uccccgaac uaacaacca 19
1020929 <210> SEQ ID NO: 113436
1020930 <211> LENGTH: 22
1020931 <212> TYPE: RNA
1020932 <213> ORGANISM: Human adenovirus E
1020934 <400> SEQUENCE: 113436
E--> 1020935 cugaauuaug caucuaag aa 22
1021937 <210> SEQ ID NO: 113548
1021938 <211> LENGTH: 20
1021939 <212> TYPE: RNA
1021940 <213> ORGANISM: Human adenovirus E
1021942 <400> SEQUENCE: 113548
E--> 1021943 gccggcgag gccugggcga 20
2603003 <210> SEQ ID NO: 289222
2603004 <211> LENGTH: 20
2603005 <212> TYPE: RNA
2603006 <213> ORGANISM: Human adenovirus E
2603008 <400> SEQUENCE: 289222
E--> 2603009 gccgaguugc nagauggcca 20
2605865 <210> SEQ ID NO: 289540
2605866 <211> LENGTH: 17

```

RAW SEQUENCE LISTING

DATE: 04/05/2004

PATENT APPLICATION: US/10/708,952

TIME: 09:42:55

Input Set : N:\efs\10708952_efs\SEQ_LIST.txt

Output Set: N:\CRF4\04052004\J708952.raw

2605867 <212> TYPE: RNA
 2605868 <213> ORGANISM: Human adenovirus E
 2605870 <400> SEQUENCE: 289540
 E--> 2605871 aguugcnaga uggccac *Same* 17
 2608142 <210> SEQ ID NO: 289793
 2608143 <211> LENGTH: 22
 2608144 <212> TYPE: RNA
 2608145 <213> ORGANISM: Human adenovirus E
 2608147 <400> SEQUENCE: 289793
 E--> 2608148 cugaauuaug cnaucuaag aa *Same* 22
 2608601 <210> SEQ ID NO: 289844
 2608602 <211> LENGTH: 18
 2608603 <212> TYPE: RNA
 2608604 <213> ORGANISM: Human adenovirus E
 2608606 <400> SEQUENCE: 289844
 E--> 2608607 gaguugcnag auggccac *Same* 18
 2608745 <210> SEQ ID NO: 289860
 2608746 <211> LENGTH: 22
 2608747 <212> TYPE: RNA
 2608748 <213> ORGANISM: Human adenovirus E
 2608750 <400> SEQUENCE: 289860
 E--> 2608751 gauggugcan gaguguaaca ug *Same* 22
 2609222 <210> SEQ ID NO: 289913
 2609223 <211> LENGTH: 21
 2609224 <212> TYPE: RNA
 2609225 <213> ORGANISM: Human adenovirus E
 2609227 <400> SEQUENCE: 289913
 E--> 2609228 gcuccagcun uuccaaccu u *Same* 21
 2610068 <210> SEQ ID NO: 290007
 2610069 <211> LENGTH: 14
 2610070 <212> TYPE: RNA
 2610071 <213> ORGANISM: Human adenovirus E
 2610073 <400> SEQUENCE: 290007
 E--> 2610074 ugcan gagug uaac *Same* 14
 2615792 <210> SEQ ID NO: 290643
 2615793 <211> LENGTH: 15
 2615794 <212> TYPE: RNA
 2615795 <213> ORGANISM: Human adenovirus E
 2615797 <400> SEQUENCE: 290643
 E--> 2615798 cgcaanuaca ccccc *Same* 15

VARIABLE LOCATION SUMMARY

DATE: 04/05/2004

PATENT APPLICATION: US/10/708,952

TIME: 09:43:44

Input Set : N:\efs\10708952_efs\SEQ_LIST.txt

Output Set: N:\CRF4\04052004\J708952.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:111408; N Pos. 8
Seq#:111419; N Pos. 8
Seq#:111685; N Pos. 7
Seq#:111755; N Pos. 11
Seq#:111789; N Pos. 10
Seq#:111851; N Pos. 10
Seq#:112142; N Pos. 5
Seq#:112305; N Pos. 8
Seq#:112463; N Pos. 6
Seq#:113329; N Pos. 7
Seq#:113436; N Pos. 12
Seq#:113548; N Pos. 9
Seq#:289222; N Pos. 11
Seq#:289540; N Pos. 7
Seq#:289793; N Pos. 12
Seq#:289844; N Pos. 8
Seq#:289860; N Pos. 10
Seq#:289913; N Pos. 10
Seq#:290007; N Pos. 5
Seq#:290643; N Pos. 6
Seq#:290804; N Pos. 8
Seq#:290863; N Pos. 9
Seq#:291145; N Pos. 8
Seq#:291172; N Pos. 7

VERIFICATION SUMMARY

DATE: 04/05/2004

PATENT APPLICATION: US/10/708,952

TIME: 09:43:44

Input Set : N:\efs\10708952_efs\SEQ_LIST.txt

Output Set: N:\CRF4\04052004\J708952.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1002683 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111408
L:1002782 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111419
L:1005176 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111685
L:1005806 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111755
L:1006112 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111789
L:1006670 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:111851
L:1009289 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:112142
L:1010756 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:112305
L:1012178 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:112463
L:1019972 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113329
L:1020935 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113436
L:1021943 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:113548
L:2603009 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289222
L:2605871 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289540
L:2608148 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289793
L:2608607 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289844
L:2608751 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289860
L:2609228 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:289913
L:2610074 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:290007
L:2615798 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:290643
L:2617247 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:290804
L:2617778 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:290863
L:2620316 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:291145
L:2620559 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:291172